



**9th ANNUAL INTERNATIONAL CONFERENCE
SWAAC ELSO-2023
&
12th ANNUAL NATIONAL CONFERENCE
ECMO Society of India**

Learn - Practice - Sustain Lives

SCIENTIFIC PROGRAMME

CONFERENCE

11th March – 12th March, 2023

VENUE

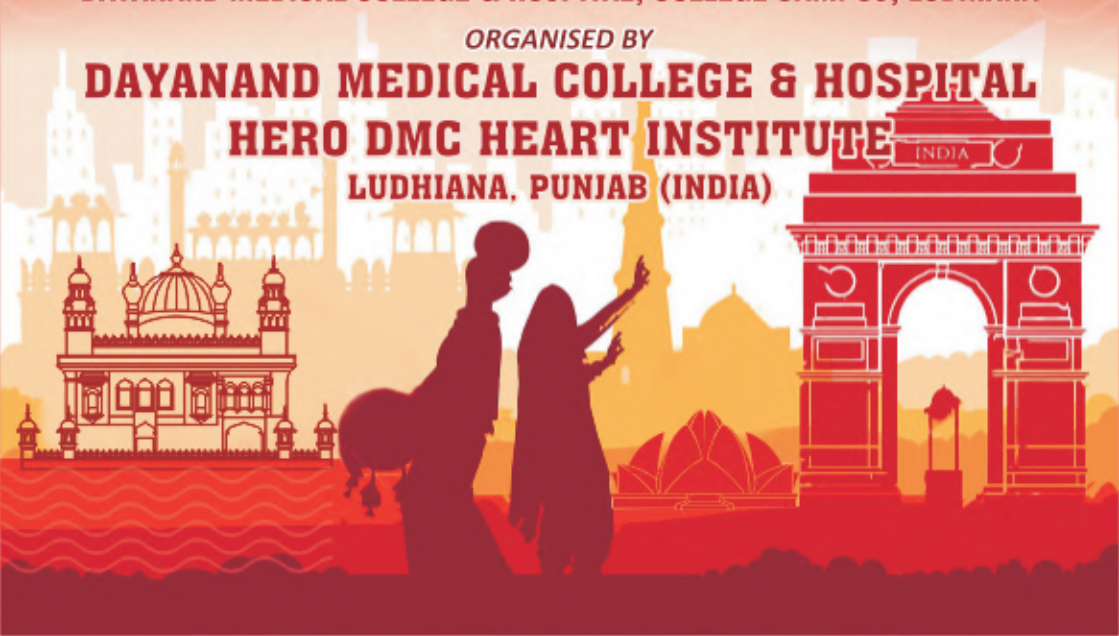
DAYANAND MEDICAL COLLEGE & HOSPITAL, COLLEGE CAMPUS, LUDHIANA

ORGANISED BY

DAYANAND MEDICAL COLLEGE & HOSPITAL

HERO DMC HEART INSTITUTE

LUDHIANA, PUNJAB (INDIA)



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Welcome Message

Dear friends & colleagues

Greetings from organizing & scientific committee

We are delighted to welcome you to Manchester of India, Ludhiana for to 9th Annual conference S'WAAC ELSO (South West Asian African Chapter of Extracorporeal Life Support Organization) & 12th Annual National conference of ECMO Society of India.

We lay before you all an academic feast to match the theme of this academic event **"LEARN, PRACTICE & SUSTAIN LIVES"**. Hence, we have endeavoured to structure the flow of sessions by blending the latest in research with technological advances in a lucid and informative manner. It is indeed our privilege and delight to engage with the expertise of luminaries from various part of world to educate us on vital topics and sharing there ECMO experiences thereby empowering us to deliver advance but safe ECMO support to our patients.

We sincerely hope that academic interactions shall enrich our learning process and improve our practices to save many more lives. Among the standard scientific deliberation, Critical care & ECMO, ECMO during heart & lung transplant, QUIZ section, use of other extracorporeal therapies such as CRRT will be covered by various experts in the field. We have introduced a novel QUIZ sessions to involve both ECMO beginners and ECMO trained participants. The free paper session and E poster will allow junior colleagues to participate actively.

The organizing & scientific team has worked incessantly despite their clinical commitments to make this conference a meaningful beginning towards academic excellence. We humbly request you to actively engage yourself in educating and empowering yourself and your colleagues.



Dr. Pranay Oza
Scientific Secretary



Dr. T Sundar
Scientific Chairman



Dr. Vivek Gupta
Organizing Secretary



Dr. Bishav Mohan
Organizing Chairman



Dr. G.S. Winder
Organizing Chairman

Conference Program: Day 1 (11th March 2023 Saturday)

HALL A

Time	Topic	Speaker	Moderators
07.30 - 08.20	Registration		
08.20 - 08.30	Welcome		
08.30 - 09.30	Critical Care & ECMO		
08.30 - 08.45	Pregnant Patient on ECMO - Precaution & Management	Huda Alfoudri	Ramanathan KR Dinesh Gupta Narayana Yaddanapuddi Sandeep Kundra
08.45 - 09.00	ECMO in Septic Shock	Graeme MacLaren	
09.00 - 09.15	Polytrauma Patient needs ECMO - When & How	Mohamed Azzam	
09.15 - 09.30	Obesity is not a contraindication to VV ECMO	Daniel Brodie	
09.30 - 09.35	Question/ Answer		
09.35 - 10.25	Case Based Discussion		
09.35 - 09.50	Case of Antihypertensive Poisoning on ECMO	Dipanjani Chatterjee	Marlice Van Dyk Kulwant Singh Dinesh Jain Harsimran Singh
09.50 - 10.05	Case of difficult Airways & ECMO	Vinod Singh	
10.05 - 10.20	Case of Tropical diseases & ECMO	Sanjeev Mittal	
10.20 - 10.25	Question/ Answer		
10.25 - 10.55	Complications on ECLS I: Inescapable or Avoidable?		
10.25 - 10.40	Neuro Complications in Severely Hypoxic & Hypercapnic patient at ECMO Initiation - Inevitable?	Matthew Paden	Suneel Pooboni Rajinder Bansal Sunil Katyal
10.40 - 10.55	Major Bleeding during long ECMO - Inevitable?	Marlice Van Dyk	
10.55 - 11.30	Weaning Session		
10.55 - 11.10	Weaning & Trial off VA ECMO - Reverse Flow Technique	Sachin Shah	Ahmed Labib Bhupesh Kumar Varun Pushkarna
11.10 - 11.25	How much CO2 can we accept during weaning prolonged VV ECMO	Nicholas Barrett	
11.25 - 11.30	Question/ Answer		
11.30 - 12.30	Anticoagulation		
11.30 - 11.45	Advanced Anticoagulation Monitoring - Feasibility	Sambit Sahu	Huda Alfoudri Shikha Gupta Abhishek Kumar Dinesh Garg
11.45 - 12.00	Heparin Alternatives - Practicality	Poonam Malhotra	
12.00 - 12.15	Periprocedural anticoagulation strategy & role of antifibrinolytic agent	Lakshmi Raman	
12.15 - 12.30	Transfusion during ECMO - Rationalization	Sandeep Diwan	
12.30 - 13.20	HALL A: INAUGURATION, BOOK RELEASE & AWARDS		
13.20 - 14.00	LUNCH BREAK & SYMPOSIUM (SPONSORED)		

Conference Program: Day 1 (11th March 2023 Saturday)

HALL A

14.00 - 14.50	Respiratory Care on VV ECMO		
14.00 - 14.15	Ventilation strategy during VV ECMO - on Initiation & during Prolonged ECMO	Kanchi Muralidhar	Ashish Bhalla Kiran Shekhar Anupam Srivastava Akashdeep Singh
14.15 - 14.30	Awake ECMO - Incidence, Experience & Practicality	Jumana Yusuf Haji	
14.30 - 14.45	Post ECMO Clinic	Arpan Chakraborty	
14.45 - 14.50	Question/ Answer		
14.50 - 15.55	Trouble Shooting during VV ECMO		
14.50 - 15.05	Approach to Hypoxic patient on VV ECMO	Pranay Oza	Nicholas Barrett Ashish Bhalla Manpreet Saluja Shubha Sharma
15.05 - 15.20	How low PO2 can I accept during VV ECMO?	Ramanathan KR	
15.20 - 15.35	My patient Hypoxic on VV ECMO - Recirculation	Jayanthi Kishore	
15.35 - 15.50	Proning on ECMO - Rational & When	Sunil Karanth	
15.50 - 15.55	Question/ Answer		
15.55 - 16.10	TEA BREAK		
16.10 - 17.15	Prolonged ECMO Run		
16.10 - 16.25	Statistics of Prolonged ECMO - Can we reduce number of ECMO Days?	Robert H. Bartlett	Venkat Goyal Naveen Malhotra Anil Kashyap Kapil Thakkar
16.25 - 16.40	Management of Right Heart failure during Prolonged VV ECMO: Role of Inhaled Nitric oxide	Suresh Rao	
16.40 - 16.55	My Experience with VV ECMO more than 60 days - Problem Faced & Outcome	K. Madhan Kumar	
16.55 - 17.10	Role of Steroids in Prolonged VV ECMO Controversies & Current Practice	Kiran Shekhar	
17.10 - 17.15	Question/ Answer		
17.15 - 18.00	ECMO PRO/CON DEBATES AND SPECIAL CASES		
17.15 - 17.40	PRO CON DEBATE: Early Lung Transplant during Covid ECMO	Mahesh BN- PRO, K Madhan Kumar - CON	Vinod Singh Bhupinder Sanger Ashish Jain Mohan Gurjar
17.40 - 17.55	Choosing an ECMO patient for LVAD: Evaluation & Challenges	Rajneesh Malhotra	
17.55 - 18.00	Question/ Answer		
INTERNATIONAL ECMO QUIZ			
18.00 - 18.50	Quiz Masters: Nicholas Barrett/ Pranay Oza/ Vinod Singh/Vinay Singhal/ Saurabh Taneja		
17.30 - 19.00	MEETING ROOM: SWAAC ELSO Executive committee meeting & ESOI Executive committee meeting		
19.00 Onwards	GET TOGETHER & DINNER 7:30 PM ONWARDS NIRVANA BANQUET CLUB		

Conference Program: Day 1 (11th March 2023 Saturday)

HALL B

Time	Topic	Speaker	Moderators
07.30 - 08.20	Registration		
08.20 - 08.30	Welcome		
08.30 - 09.15	ECMO Nursing Session		
08.30 - 08.45	How can I make ECMO Initiation a smooth ?	Tolusha Harishchandra	Monalisa Mishra Rajiv Gupta Ahsina J Lopa Saurabh Taneja
08.45 - 09.00	Monitoring during ECMO - Clinical & Circuit	P.K. Das	
09.00 - 09.15	Nursing care during ECMO	Nanda Kishore	
09.15 - 10.15	ECMO Perfusionist session		
09.15 - 09.30	Can I take ECLS as carrier?	Srishti Jain	Riyan Shetty Mona Faramawy Tanveer Singh
09.30 - 9.45	Mechanical complications I encountered during ECMO	Ali Boroujerdi	
9.45 - 10.10	PRO CON Debate Circuit Change Vs Components Change-	Deb Lal - PRO Rakesh V - CON	
10.10 - 10.15	Question/ Answer		
10.15 - 11.30	Education, Research & Quality		
10.15 - 10.30	How ELSO can help me in my Research Work?	Christine Stead	Sandeep Puri Sandeep Kaushal Venkat Goyal Sarju Ralhan Aparna Hoskote KC Mukherjee
10.30 - 10.45	Improving quality using the ELSO Registry	Peter Rycus	
10.45- 11.00	ECMO program in North Indian region: Challenges & Solutions	Bishav Mohan	
11.00 - 11.15	Simulation - Today's way of Education	Ramanathan KR	
11.15 - 11.30	Post Graduation Course in ECMO, A need of the day - Legality & Feasibility	GS Wander	
11.30 - 11.35	Question/ Answer		
11.35 - 12.30	Ethics for All		
11.35 - 12.00	Ethical Issues during ECMO run - Panel Discussion	Moderator Pranay Oza	Panelists BK Rao GS Wander Suneel Pooboni Ashish Bhalla Vinay Singhal
12.00 - 12.15	Ethical, Clinical & Legal aspects of Futility of Care during ECMO	B K Rao	Rajesh Mishra Suresh Rao Shailesh Ojha
12.15 - 12.30	Breaking the bad news: Challenges during ECMO	Sushma Bhatnagar	
12.30 - 13.20	HALL A: INAUGURATION, BOOK RELEASE & AWARDS		
13.20 - 14.00	LUNCH BREAK & SYMPOSIUM (SPONSORED)		

Conference Program: Day 1 (11th March 2023 Saturday)

HALL B

14.00 - 15.35	Neonatal & Paediatric ECMO		
14.00 - 14.15	Neonatal ECMOs not much required or overlooked?	Suneel Pooboni	Matthew Paden Puneet Pooni Kundan Mittal Allen Joseph
14.15 - 14.30	ECMO Decannulation in children with Post Cardiectomy Shock - When & After care	Said Al Hanshi	
14.30 - 14.45	Cardiac Cath on Paediatric ECMO	Aparna Hoskote	
14.45 - 15.00	Cerebral Autoregulation in Neonates: Inferences at current time	Lakshmi Raman	Kamal Arora Nanda Kishore Karamvir Singh
15.00 - 15.15	ECMO in congenital heart disease- Indications & management	Jayanthi Kishore	
15.15 - 15.30	A review of Respiratory Indications for ECMO in Neonates and Pediatric patients	Indira Jayakumar	
15.30 - 15.35	Question/ Answer		
15.35 -15.55	TEA BREAK		
15.55 - 17.00	ECPR & Transport		
15.55 - 16.10	ECPR - Asian Scenario, is it Practicable?	Krishna Gulla	Rajiv Kumar Sachin Shah Shikha Gupta Akash Batta
16.10 - 16.25	ECPR: Early Phase Management Challenges	Ahmed Labib	
16.25 - 16.40	ECPR-Outcome: What RCT says?	Jan Belohlavek	
16.40 - 16.55	My first encounter with ECPR	Vivek Gupta	
16.55 - 17.00	Question/ Answer		
17.00 - 18.05	Monitoring during ECMO		
17.00 - 17.15	Echocardiography: An indispensable tool during ECMO	Yatin Mehta	Sanjeev Mittal Ahmed Rabiyy Rohit Tandon Ramit Mahajan
17.15 - 17.30	Advanced Haemodynamic Monitoring during ECMO: How much we need?	Sheila N Maitra	
17.30 - 17.45	Hyperbilirubinemia during ECMO run - Causes & Management	Sachin Shah	
17.45 - 18.00	Monitoring during ECMO transport: Need & Challenges	Vinayak Patki	
18.00 - 18.50	HALL A: INTERNATIONAL ECMO QUIZ		
17.30 - 19.00	MEETING ROOM: SWAAC ELSO Executive committee meeting & ESOI Executive committee meeting		
19.00 Onwards	GET TOGETHER & DINNER 7:30 PM ONWARDS NIRVANA BANQUET CLUB		

Conference Program: Day 2 (12th March 2023 Sunday)

HALL A

Time	Topic	Speaker	Moderator
08.30 - 10.00	Cardiac ECMO		
08.30 - 08.45	Short and Long-term outcomes after VA ECMO support for Cardiogenic shock secondary to AMI	Akram Abdelbary	Poonam Malhotra Sarju Ralhan Naved Aslam M Rupinder Singh
08.45 - 09.00	ECMO-How to make it economical ?	Venkat Goyal	
09.00 - 09.15	VA or VV ECMO: choosing right strategy during Pulmonary Embolism	Riyan Shetty	
09.15 - 09.30	ECMO support for high risk Cardiac Intervention - Evidence & Reality	Alia Abdel Fattah	
09.30 - 09.35	Question/ Answer		
09.35 - 10.00	PRO CON DEBATE: ECMO Vs. Impella for Refractory Cardiogenic shock	Sarita Rao: IMPELLA Venkat Goyal: ECMO	V K Sharma Arpan Chakraborty Shibba T Chhabra
10.00 - 11.05	ECMO: Trouble Shooting & Challenges		
10.00 - 10.15	Re - ECMO - to be or not to be	Arpan Chakraborty	V K Sharma Manpreet Singh Saluja Rajesh Arya Tanveer Singh Gautam Singhal
10.15 - 10.30	Cannulation - Not every vein fits	Ahmed Rabiyy	
10.30 - 10.45	Percutaneous cannulation: Approach & Pitfall	Nicholas Barrett	
10.45 - 11.00	Utilizing "Window of opportunity" for Weaning	Pranay Oza	
11.00 - 11.05	Question/ Answer		
11.05 - 11.45	Renal Issues During ECMO		
11.05 - 11.20	AKI: An additional risk during ECMO	Dinesh Khullar	Deepak Govil Tarandeep Singh Vikas Makkar Sharmili Sinha
11.20 - 11.45	PRO/CON DEBATE: SLED Vs CRRT during ECMO	Valentine Lobo: SLED Ranjit Chatterjee: CRRT	
11.45 - 12.45	Recent Advances & Updates		
11.45 - 12.00	VV ECMO Key papers since 2017	Allain Coomb	Yatin Mehta Suneet Kathuria Sameer Kapoor Samiksha Parashar
12.00 - 12.15	VA ECMO Key papers since 2017	Arvind Dahiya	
12.15 - 12.30	LV Venting for all VA ECMO - Is it essential?	Allain Coomb	

Conference Program: Day 2 (12th March 2023 Sunday)

HALL A

12.30 - 12.45	Lessons learnt during Covid-19 ECMO: Applicability to future Pandemics	Ahmed Abdulhadim Rabiy	
12.45 - 13.20	Other Extracorporeal Therapies		
12.45 - 13.00	Addition of Endotoxin removing filters, can it improve outcome in distributive shock on ECMO	Deepak Govil	Gautam Ahluwalia Pramod Sood Sheetal Garg
13.00 - 13.15	ECCO2R: Development & Current Practice	Dipanjan Chatterjee	
13.15 - 13.20	Question/ Answer		
13.20 - 14.00	Lunch Break & Symposium		
14.00 - 15.00	VA ECMO: Overcoming Challenges		
14.00 - 14.15	Managing Vasoplegia after successful VA ECMO	Roberto Lorusso	Pranay Oza Narender Pal Jain Gurmeet Singh Gunchan Paul
14.15 - 14.30	Tips for successful VA ECMO	Jan Belohlavek	
14.30 - 14.45	Right hand Saturation 60 on VA ECMO - What should I do?	Arpan Chakraborty	
14.45 - 15.00	Post MI mechanical complications (VSR/MR) in cardiogenic shock on ECMO- when to intervene & outcome?	Roberto Lorusso	
15.00 - 15.10	Question/ Answer		
15.10 - 15.30	Validictory function		

HALL B

Time	Topic	Speaker	Moderator
08.30 - 10.15	Infection & Nutrition during ECMO		
08.30 - 08.45	Antibiotics free days during ECMO - Is it practicable ?	Suneel Pooboni	Sambit Sahu Rajesh Mahajan Veenu Gupta Prashant Kumar
08.45 - 09.00	Antifungal during ECMO: which & when	Supradip Ghosh	
09.00 - 09.15	Challenges in diagnosing Sepsis during ECMO	Yatin Mehta	
09.15 - 09.30	Albumin transfusion when & why during ECMO run	Amit Mandal	PL Gautam Gaurav Bhatia Indira Jayakumar Radha Reddy Chada
09.30 - 9.45	How can I maintain nutrition in my ECMO patient - Especially during prolonged ECMO run ?	Rajesh Pande	
9.45 - 10.15	Panel discussion - Nutrition & Infection during ECMO	Moderator Dr Rajesh Mishra	Panelists Suneel Pooboni Yatin Mehta PL Gautam Sharmili Sinha Radha Reddy Chada

Conference Program: Day 2 (12th March 2023 Sunday)

HALL B

Paper Presentation			
Judges: Matthew Paden/Anju Grewal/ Vinod Singh/ Huda Alfoudri			
11.35 - 13.20 Transplant & Assist Device			
11.35-11.50	Managing End stage heart failure prior to assist device/ Transplant	Mrinal Kanti Dass	Sarju Ralhan Ziyokov Joshi Vikram Pal Singh Abhishek Goyal
11.50 - 12.05	Post Heart Transplant ECMO - Indications and Outcomes	Dhaval Naik	
12.05 - 12.20	When should I consider & register my patient for Lung Transplant ?	T Sunder	
12.20 - 12.35	When should I consider & register my patient for Heart Transplant ?	Ramesh Paul	
12.35 - 12.50	An Overview of Cardiac Assist Device	ZS Meherwal	Pranay Oza Rajiv Kumar Gaurav Bhatia Neeru Luthra
12.50 - 13.05	Artificial Lung - In the foreseeable future ?	Ramesh Paul	
13.05 - 13.20	Post Lung Transplant ECMO - Indications and Outcomes	Sunder T	
13.20 - 14.00 Lunch Break & Symposium			
14.00 - 15.10 Country Updates			
14.00 - 14.05	India	Poonam Malhotra	Matthew Paden Peter Rycus Christine Stead Suneel Pooboni
14.05 - 14.10	Iran	Ali Boroujerdi	
14.10 - 14.15	Saudi Arabia	Mohamed Azzam	
14.15 - 14.20	Qatar	Ahmed Labib	
14.20 - 14.25	Egypt	Akram Abdelbary	
14.25 - 14.30	UAE	Mona Faramawy	
14.30 - 14.35	Lebanon	Jana Assy	
14.35 - 14.40	Bangladesh	Ahsina Jahan Lopa	
14.40 - 14.45	South Africa	Marlice Van Dyk	
14.45 - 14.50	Srilanka	Tolusha Harishchandra	
14.50 - 14.55	Kuwait	Huda Alfoudri	
14.55 - 15.00	Kenya	Anne Marie	
15.00 - 15.05	Oman	Adil Nofii	
15.05 - 15.10 CLOSING REMARKS BY CHAIR			
15.10 - 15.30 Validictory function			

Special Programs: 11th & 12th March 2023

DAY 1: 11th MARCH 2023 SATURDAY

TIME	SESSION	LOCATION
10.00-12.00	INTERNATIONAL ECMO QUIZ COMPETITION PRELIMINARY ROUNDS QUIZ MASTERS: Nicholas Barrett Prany Oza Saurabh Taneja Vinod Singh Vinay Singhal Tanveer Singh	LT 2 (THIRD FLOOR)
10.00-12.00	E POSTER JUDGES: Ahmed Labib Dinesh Sood Sandeep Kundra Tolusha Harishchandra Shibba T Chhabra	LOBBY (FIRST FLOOR)
14.30-16.00	PAPER PRESENTATION JUDGES: Tej K Kaul Avtar Singh Vinod Singh P K Das	LT 2 (THIRD FLOOR)

DAY 2: 12th MARCH 2023 SUNDAY

TIME	SESSION	LOCATION
10.00 -12.30	MASTERCLASS ON ECMO FOR ANESTHESIOLOGIST & QUIZ MASTER CLASS FACULTY: Prany Oza Arpan Chakraborty Dipanjan Chatterjee QUIZ MASTERS: Anju Grewal Hitant Vohra Kamakshi Garg	LT 2 (THIRD FLOOR)

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